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## Japan

### Food and Agricultural Import Regulations and Standards

**Changes to the MRLs for the agricultural chemicals and vet drugs; Ametryn, Indanofan, Cafenstrole, Thiobencarb, Pyraflufen-ethyl, Flutolanil, Flubendiamide, Mefenacet, Benzobicyclon, Amitraz and Isoprothiolane**

**2008**

**Approved by:**

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Tokyo

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**Report Highlights:**

On March 24, 2008, MHWL announced proposed changes to the MRLs for the agricultural chemicals and vet drugs; Ametryn, Indanofan, Cafenstrole, Thiobencarb, Pyraflufen-ethyl, Flutolanil, Flubendiamide, Mefenacet, Benzobicyclon, Amitraz and Isoprothiolane. MHLW will notify these changes to the WTO SPS Committee.

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Includes PSD Changes: No  
Includes Trade Matrix: No  
Annual Report  
Tokyo [JA1]  
[JA]

**Executive Summary**

On March 24, 2008, MHLW announced proposed changes to the MRLs for the agricultural chemicals and vet drugs; Ametryn, Indanofan, Cafenstrole, Thiobencarb, Pyraflufen-ethyl, Flutolanil, Flubendiamide, Mefenacet, Benzobicyclon, Amitraz and Isoprothiolane. MHLW will notify these changes to the WTO SPS Committee.

**Purpose**

The period for comments directly to MHLW closed already on April 7, 2008. However MHLW will notify these proposed changes to the WTO/SPS committee, which would be the last chance for public comments to be submitted on this subject. Then after the closing of a the comment period in the WTO, a report to the Minister of Health, Labour, and Welfare will be made based on the conclusions of a session of the Pharmaceutical Affairs and Food Sanitation Council slated to be held at a later date, and this will constitute the final decision.

If you have comments that you would like to be considered for inclusion in the official U.S. Government comments to the MHLW, please send those as soon as possible to the Agriculture Section of the U.S. Embassy in Tokyo, at [agtokyo@usda.gov](mailto:agtokyo@usda.gov).

For comments directly to MHLW, please send those to following contacts.

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Agenda 1. Establishment of Maximum Residue Limits for the Pesticides (Ametryn, Indanofan, Cafenstrole, Thiobencarb, Pyraflufen-ethyl, Flutolanil, Flubendiamide, Mefenacet, Benzobicyclon), the Pesticides and Veterinary Drugs (Amitraz and Isoprothiolane) in Food

### Purpose and Background

The Ministry of Health, Labour and Welfare (MHLW) is going to develop the compositional specification for food.

Under the provisions of Article 11, Paragraph 1 of the Food Sanitation Law, the Minister of Health, Labour, and Welfare is authorized to establish residue standards (maximum residue limits: MRLs) for pesticides, feed additives, and veterinary drugs (referred to as just “agricultural chemicals”) that may remain in foods. Any food for which standards are established pursuant to the provisions is not permitted to be marketed unless such food complies with the established standards.

On May 29, 2006, the MHLW introduced the positive list system for agricultural chemicals in food.\* Basically, all foods distributed in the Japanese marketplace are subject to regulation based on the system.

This time the MHLW has reviewed MRLs for some pesticides which had been provisionally established at the time of the introduction of the new system. Also, the MHLW has newly established draft MRLs for some food commodities.

This activity is targeted to 11 chemicals: Ametryn, Indanofan, Cafenstrole, Thiobencarb, Pyraflufen-ethyl, Flutolanil, Flubendiamide, Mefenacet, Benzobicyclon, Amitraz and Isoprothiolane. Details are given below.

*Note: The positive list system was established based on the 2003 amendment of the Food Sanitation Law. The system aims to prohibit the distribution of any food in the Japanese marketplace if it contains agricultural chemicals at amounts exceeding a certain level (0.01 ppm) specified under the Law.*

### Outline of revision

Ametryn (Herbicide): This chemical is not permitted for use in Japan. The MHLW has reviewed MRLs which had been provisionally established at the time of the introduction of the new system.

Indanofan (Herbicide): This chemical is already permitted for use in Japan. The MHLW has newly established a MRL (draft) for the “aquatic animals” category and has reviewed the existing MRL.

Cafenstrole (Herbicide): This chemical is already permitted for use in Japan. The MHLW has newly established a MRL (draft) for the “aquatic animals” category and has reviewed the existing MRLs.

Thiobencarb (Herbicide): This chemical is already permitted for use in Japan. The MHLW has reviewed MRLs which had been provisionally established at the time of the introduction of the new system. Also, the MHLW has newly established a MRL (draft) for the “aquatic animals” category.

Pyraflufen-ethyl (Herbicide): This chemical is already permitted for use in Japan. The Ministry of Agriculture, Forestry and Fisheries (MAFF) will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF’s action, the MHLW has comprehensively reviewed the existing MRLs to establish MRLs for the new targets.

Flutolanil (Fungicide): This chemical is already permitted for use in Japan. A foreign business has filed an application with the MHLW for the establishment of MRLs for the chemical, based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan, published on 5 February 2004. In response to the application, the MHLW has newly established MRLs (draft) for some crops and has comprehensively reviewed the existing MRLs.

Flubendiamide (Insecticide): This chemical is already permitted for use in Japan. The Ministry of Agriculture, Forestry and Fisheries (MAFF) will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has comprehensively reviewed the existing MRLs to establish MRLs for the new targets.

Mefenacet (Herbicide): This chemical is already permitted for use in Japan. The MHLW has newly established a MRL (draft) for the "aquatic animals" category and has reviewed the existing MRLs.

Benzobicyclon (Herbicide): This chemical is already permitted for use in Japan. The MHLW has reviewed MRLs which had been provisionally established at the time of the introduction of the new system.

Amitraz (Insecticide,Vermicide): This chemical is already permitted for use as an insecticide in Japan. The MAFF has decided to approve some veterinary drug products whose effective ingredient is amitraz. In response to MAFF's action, the MHLW has comprehensively reviewed the existing MRLs for this substance.

Isoprothiolane (Fungicide,Drugs for Hepatic Diseases of cows): This chemical is already permitted for use in Japan. The MAFF will expand the scope of target crops for which the use of the chemical is permitted. In response to MAFF's action, the MHLW has comprehensively reviewed the existing MRLs to establish MRLs for the new targets.

For draft MRLs, see Attachments 1-1 through 1-11.

The existing MRLs appear in either of the MRLs List (the Item 6, Section A "General Compositional Standards for Food," Part I "Food" in the Specifications and Standards for Food, Food Additives, Etc.) or Provisional MRLs List (Item 7, Section A), according to food commodities. These MRLs have been modified as necessary. Finalized MRLs for these chemicals will be placed on the MRLs List in Item 6, and the MRLs currently placed in Item 7 will be deleted.

## Attachment. 1-1

## Ametryn(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Corn (maize)	0.05	0.3
Taro		0.3
Sweet potato		0.3
Sugarcane	0.05	0.2
Water melon		0.4
Melons		0.4
Makuwauri melon		0.4
Unshu orange, pulp		0.4
Citrus natsudaikai, whole		0.4
Lemon		0.4
Orange		0.4
Grapefruit		0.4
Lime		0.4
Other citrus fruits <sup>13</sup>		0.4
Apple		0.4
Japanese pear		0.4
Pear		0.4
Quince		0.4
Loquat		0.4
Peach		0.4
Nectarine		0.4
Apricot		0.4
Japanese plum		0.4
Mume plum		0.4
Cherry		0.4
Strawberry		0.4
Raspberry		0.4
Blackberry		0.4
Blueberry		0.4
Cranberry		0.4
Huckleberry		0.4
Other berries <sup>14</sup>		0.4
Grape		0.4
Japanese persimmon		0.4
Banana		0.4
Kiwifruit		0.4
Papaya	0.05	0.4
Avocado		0.4
Pineapple		0.4
Guava		0.4
Mango		0.4
Passion fruit		0.4
Date		0.4
Other fruits <sup>15</sup>		0.4
Sunflower seeds		0.4
Sesame seeds		0.4
Safflower seeds		0.4
Cotton seeds		0.4
Rapeseeds		0.4
Other oil seeds <sup>16</sup>		0.4

## Ametryn(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Ginkgo nut		0.4
Chestnut		0.4
Pecan		0.4
Almond		0.4
Walnut		0.4
Other nuts <sup>17</sup>		0.4
Other spices <sup>18</sup>		0.4
Cattle, muscle		0.05
Pig, muscle		0.05
Other terrestrial mammals <sup>20</sup> , muscle		0.05
Cattle, fat		0.05
Pig, fat		0.05
Other terrestrial mammals, fat		0.05
Cattle, liver		0.05
Pig, liver		0.05
Other terrestrial mammals, liver		0.05
Cattle, kidney		0.05
Pig, kidney		0.05
Other terrestrial mammals, kidney		0.05
Cattle, edible offal		0.05
Pig, edible offal		0.05
Other terrestrial mammals, edible offal		0.05
Milk		0.05

Attachment. 1-2

Indanofan (Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.05	0.1
Aquatic animals	0.04	

Attachment. 1-3

Cafenstrole(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.02	0.1
Aquatic animals	0.2	

Attachment. 1-4

## Thiobencarb(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)	0.2	0.2
Wheat	0.05	0.1
Barley	0.05	0.1
Rye	0.05	0.1
Corn (maize)	0.03	0.1
Buckwheat		0.1
Other cereal grains <sup>1</sup>	0.05	0.1
Soybeans, dry	0.02	0.2
Beans, dry <sup>2</sup>	0.1	0.2
Peas		0.2
Broad beans		0.2
Peanuts, dry	0.05	0.2
Other legumes/pulses <sup>3</sup>		0.2
Potato	0.02	0.05
Taro	0.05	0.05
Sweet potato		0.05
Yam		0.05
Konjac		0.05
Other potatoes <sup>4</sup>		0.05
Japanese radish, roots		0.2
Japanese radish, leaves		0.2
Turnip, roots		0.2
Turnip, leaves		0.2
Horseradish		0.2
Watercress		0.2
Chinese cabbage		0.2
Cabbage		0.2
Brussels sprouts		0.2
Kale		0.2
Komatsuna, Japanese mustard spinach		0.2
Kyona		0.2
Qing-geng-cai		0.2
Cauliflower		0.2
Broccoli		0.2
Other cruciferous vegetables <sup>5</sup>		0.2
Burdock		0.2
Salsify		0.2
Artichoke		0.2
Chicory		0.2
Endive	0.05	0.2
Shungiku		0.2
Lettuce	0.2	0.2
Other composite vegetables <sup>6</sup>		0.2
Onion	0.02	0.2
Welsh (including leek)	0.02	0.2
Garlic		0.2
Nira		0.2
Asparagus		0.2
Multiplying onion		0.2
Other liliaceous vegetables <sup>7</sup>		0.2

## Thiobencarb(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Carrot	0.02	0.2
Parsnip		0.2
Parsley		0.2
Celery	0.2	0.2
<i>Mitsuba</i>		0.2
Other umbelliferous vegetables <sup>8</sup>		0.2
Tomato		0.2
Pimiento (sweet pepper)		0.2
Egg plant		0.2
Other solanaceous vegetables <sup>9</sup>		0.2
Cucumber		0.2
Pumpkin		0.2
Oriental pickling melon (vegetable)		0.2
Other cucurbitaceous vegetables <sup>10</sup>		0.2
Spinach		0.2
Bamboo shoots		0.2
Okra		0.2
Ginger		0.2
Peas, immature (with pods)		0.2
Kidney beans, immature (with pods)		0.2
Green soybeans	0.03	0.2
Button mushroom		0.2
<i>Shiitake</i> mushroom		0.2
Other mushrooms <sup>11</sup>		0.2
Other vegetables <sup>12</sup>		0.2
Other spices <sup>18</sup>		0.2
Other herbs <sup>19</sup>		0.2
Cattle, muscle	0.01	0.2
Pig, muscle	0.01	0.2
Other terrestrial mammals <sup>20</sup> , muscle	0.01	0.2
Cattle, fat	0.01	0.2
Pig, fat	0.01	0.2
Other terrestrial mammals, fat	0.01	0.2
Cattle, liver	0.01	0.2
Pig, liver	0.01	0.2
Other terrestrial mammals, liver	0.01	0.2
Cattle, kidney	0.01	0.2
Pig, kidney	0.01	0.2
Other terrestrial mammals, kidney	0.01	0.2
Cattle, edible offal	0.01	0.2
Pig, edible offal	0.01	0.2
Other terrestrial mammals, edible offal	0.01	0.2
Milk	0.01	0.05
Chicken, muscle	0.03	0.2
Other poultry <sup>21</sup> , muscle	0.03	0.2

## Thiobencarb(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Chicken, fat	0.03	0.2
Other poultry, fat	0.03	0.2
Chicken, liver	0.03	0.2
Other poultry, liver	0.03	0.2
Chicken, kidney	0.03	0.2
Other poultry, kidney	0.03	0.2
Chicken, edible offal	0.03	0.2
Other poultry, edible offal	0.03	0.2
Chicken, eggs	0.03	0.2
Other poultry, eggs	0.03	0.2
Shelled molluscs	0.5	
Aquatic animals (excluding Shelled molluscs)	0.02	

Attachment. 1-5

## Pyraflufen-ethyl(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)	0.05	0.1
Wheat	0.02	0.1
Barley	0.02	0.1
Rye	0.02	0.1
Corn (maize)	0.02	0.1
Buckwheat	0.02	0.1
Other cereal grains <sup>1</sup>	0.02	0.1
Soybeans, dry	0.05	0.01
Potato	0.05	0.1
Taro		0.1
Sweet potato		0.1
Yam		0.1
Konjac	0.05	0.1
Other potatoes <sup>4</sup>		0.1
Japanese radish, roots	0.02	0.1
Japanese radish, leaves	0.02	0.1
Turnip, roots		0.1
Turnip, leaves		0.1
Horseradish		0.1
Watercress		0.1
Chinese cabbage	0.02	0.1
Cabbage	0.02	0.1
Brussels sprouts		0.1
Kale		0.1
<i>Komatsuna</i> , Japanese mustard spinach		0.1
<i>Kyona</i>		0.1
Qing-geng-cai		0.1
Cauliflower		0.1
Broccoli		0.1
Other cruciferous vegetables <sup>5</sup>		0.1
Burdock		0.1
Salsify		0.1
Artichoke		0.1
Chicory		0.1
Endive		0.1
<i>Shungiku</i>		0.1
Lettuce		0.1
Other composite vegetables <sup>6</sup>		0.1
Welsh (including leek)		0.1
Garlic		0
<i>Nira</i>		0.1
Asparagus		0.1
Multiplying onion		0.1
Other liliaceous vegetables <sup>7</sup>		0.1

## Pyraflufen-ethyl(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Carrot		0.1
Parsnip		0.1
Parsley		0.1
Celery		0.1
<i>Mitsuba</i>		0.1
Other umbelliferous vegetables <sup>8</sup>		0.1
Water melon		0.1
Melons		0.1
<i>Makuwauri</i> melon		0.1
Spinach		0.1
Bamboo shoots		0.1
Ginger		0.1
Green soybeans	0.05	0.01
Other vegetables <sup>12</sup>		0.1
<i>Unshu</i> orange, pulp	0.02	0.1
Citrus <i>natsudaidai</i> , whole	0.02	0.1
Lemon	0.02	0.1
Orange	0.02	0.1
Grapefruit	0.02	0.1
Lime	0.02	0.1
Other citrus fruits <sup>13</sup>	0.02	0.1
Apple	0.02	0.1
Japanese pear	0.02	0.1
Pear	0.02	0.1
Quince	0.02	0.1
Loquat	0.02	0.1
Peach	0.02	0.1
Nectarine	0.02	0.1
Apricot	0.02	0.1
Japanese plum	0.02	0.1
Mume plum	0.02	0.1
Cherry	0.02	0.1
Strawberry		0.1
Raspberry	0.02	0.1
Blackberry	0.02	0.1
Blueberry	0.02	0.1
Cranberry	0.02	0.1
Huckleberry	0.02	0.1
Other berries <sup>14</sup>	0.02	0.1
Grape	0.02	0.1
Japanese persimmon	0.02	0.1

## Pyraflufen-ethyl(Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Banana	0.02	0.1
Kiwifruit		0.1
Papaya	0.02	0.1
Avocado	0.02	0.1
Pineapple		0.1
Guava	0.02	0.1
Mango	0.02	0.1
Passion fruit	0.02	0.1
Date	0.02	0.1
Other fruits <sup>15</sup>	0.02	0.1
Cotton seeds	0.05	0.04
Ginkgo nut	0.02	0.1
Chestnut	0.02	0.1
Pecan	0.02	0.1
Almond	0.02	0.1
Walnut	0.02	0.1
Other nuts <sup>17</sup>	0.02	0.1
Tea	0.05	
Other spices <sup>18</sup>	0.05	0.1
Other herbs <sup>19</sup>		0.1

Attachment. 1-6

## Flutolanil (Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)	2.0	2.0
Wheat	2.0	2.0
Soybeans, dry	0.5	1.0
Beans, dry <sup>2</sup>		1
Peas		1
Broad beans		1
Peanuts, dry	0.5	0.5
Other legumes/pulses <sup>3</sup>		1
Potato	0.2	0.5
Yam	0.2	0.2
Sugar beet	1.0	1.0
Cabbage	2.0	2.0
Brussels sprouts		2.0
Lettuce	3.0	3.0
Other composite vegetables <sup>6</sup>	2.0	2.0
Welsh (including leek)	1	2.0
Mitsuba	2	5.0
Tomato	0.05	2.0
Pimiento (sweet pepper)	0.7	2.0
Egg plant	0.05	2.0
Cucumber	0.05	2.0
Spinach	2.0	2.0
Ginger	1	2.0
Green soybeans	2.0	2.0
Other vegetables <sup>12</sup>	1.0	
Japanese pear	2	5.0
Pear	2	5.0
Strawberry	3	5
Other spices <sup>18</sup>		1
Other herbs <sup>19</sup>	2	2
Cattle, muscle	0.05	0.05
Pig, muscle	0.05	0.05
Other terrestrial mammals <sup>20</sup> , muscle	0.05	0.05
Cattle, fat	0.1	0.08
Pig, fat	0.1	0.08
Other terrestrial mammals, fat	0.1	0.08
Cattle, liver	0.2	0.2
Pig, liver	0.2	0.2
Other terrestrial mammals, liver	0.2	0.2
Cattle, kidney	0.1	0.1
Pig, kidney	0.1	0.1
Other terrestrial mammals, kidney	0.1	0.1
Cattle, edible offal	0.05	0.05
Pig, edible offal	0.05	0.05
Other terrestrial mammals, edible offal	0.05	0.05
Milk	0.05	0.05

## Flutolanil (Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Chicken, muscle	0.05	0.05
Other poultry <sup>21</sup> , muscle	0.05	0.05
Chicken, fat	0.05	0.05
Other poultry, fat	0.05	0.05
Chicken, liver	0.05	0.05
Other poultry, liver	0.05	0.05
Chicken, kidney	0.05	0.05
Other poultry, kidney	0.05	0.05
Chicken, edible offal	0.05	0.05
Other poultry, edible offal	0.05	0.05
Chicken, eggs	0.05	0.05
Other poultry, eggs	0.05	0.05
Aquatic animals	2	
Rice bran	10	10
Milled rice	1	1

Attachment. 1-7

## Flubendiamide (Fungicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Soybeans, dry	0.3	0.3
Japanese radish, roots	0.03	0.03
Japanese radish, leaves	10	10
Chinese cabbage	5	5
Cabbage	3	3
Lettuce	15	15
Welsh (including leek)	3	3
Tomato	0.7	0.7
Pimiento (sweet pepper)	3	
Egg plant	1	
Cucumber	0.7	
Apple	1	1
Japanese pear	1	0.7
Pear	1	0.7
Peach	0.05	0.05
Nectarine	1	
Cherry	2	
Strawberry	2	2
Grape	2	
Tea	40	40

Attachment. 1-8

Mefenacet (Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.05	0.1
Aquatic animals	0.8	

Attachment. 1-9

Benzobicyclon(Herbicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice	0.05	0.1

Attachment. 1-10

## Amitraz (Insecticide/Vermicide)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)		0.02
Wheat		0.02
Barley		0.02
Rye		0.02
Corn (maize)		0.05
Buckwheat		0.02
Other cereal grains <sup>1</sup>		0.02
Soybeans, dry		0.05
Beans, dry <sup>2</sup>		0.02
Peas		0.02
Broad beans		0.02
Peanuts, dry		0.05
Other legumes/pulses <sup>3</sup>		0.02
Potato		0.05
Taro		0.05
Sweet potato		0.05
Yam		0.05
Konjac		0.05
Other potatoes <sup>4</sup>		0.05
Sugar beet		0.05
Japanese radish, roots		0.05
Japanese radish, leaves		0.05
Turnip, roots		0.05
Turnip, leaves		0.05
Horseradish		0.05
Watercress		0.05
Chinese cabbage		0.05
Cabbage		0.05
Brussels sprouts		0.05
Kale		0.05
<i>Komatsuna</i> , Japanese mustard spinach		0.05
<i>Kyona</i>		0.05
Qing-geng-cai		0.05
Cauliflower		0.05
Broccoli		0.05
Other cruciferous vegetables <sup>5</sup>		0.05
Burdock		0.05
Salsify		0.05
Artichoke		0.05
Chicory		0.05
Endive		0.05
<i>Shungiku</i>		0.05
Lettuce		0.05
Other composite vegetables <sup>6</sup>		0.05

## Amitraz (Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Onion		0.05
Welsh (including leek)		0.05
Garlic		0.05
<i>Nira</i>		0.05
Asparagus		0.05
Multiplying onion		0.05
Other liliaceous vegetables <sup>7</sup>		0.05
Carrot		0.05
Parsnip		0.05
Parsley		0.05
Celery		0.05
<i>Mitsuba</i>		0.05
Other umbelliferous vegetables <sup>8</sup>		0.05
Tomato	0.9	0.5
Pimiento (sweet pepper)		0.05
Egg plant		0.5
Other solanaceous vegetables <sup>9</sup>		0.05
Cucumber	0.9	0.5
Pumpkin		0.05
Oriental pickling melon (vegetable)		0.05
Water melon	0.2	0.2
Melons		0.05
<i>Makuwauri</i> melon	0.2	0.2
Other cucurbitaceous vegetables <sup>10</sup>		0.05
Spinach		0.05
Bamboo shoots		0.05
Okra		0.05
Ginger		0.05
Peas, immature (with pods)		0.05
Kidney beans, immature (with pods)		0.05
Green soybeans		0.05
Button mushroom		0.05
<i>Shiitake</i> mushroom		0.05
Other mushrooms <sup>11</sup>		0.05
Other vegetables <sup>12</sup>		0.05
<i>Unshu</i> orange, pulp	0.5	0.5
Citrus <i>natsudaikai</i> , whole	0.5	0.5
Lemon	0.5	0.5
Orange	0.9	0.5
Grapefruit	0.5	0.5
Lime	0.5	0.5
Other citrus fruits <sup>13</sup>	0.9	0.5
Apple	0.9	0.5
Japanese pear	0.9	0.5
Pear	0.9	0.5
Quince	0.9	0.5
Loquat	0.9	0.5

## Amitraz (Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Peach	0.9	0.5
Nectarine	0.2	0.2
Apricot	0.2	0.2
Japanese plum	0.2	0.2
Mume plum	0.9	0.3
Cherry	0.9	0.5
Strawberry	0.2	0.2
Raspberry	0.2	0.2
Blackberry	0.2	0.2
Blueberry	0.2	0.2
Cranberry	0.2	0.2
Huckleberry	0.2	0.2
Other berries <sup>14</sup>	0.2	0.2
Grape		0.05
Japanese persimmon		0.05
Banana		0.05
Kiwifruit		0.05
Papaya	0.2	0.2
Avocado	0.2	0.2
Pineapple		0.05
Guava	0.2	0.2
Mango	0.2	0.2
Passion fruit	0.2	0.2
Date	0.2	0.2
Other fruits <sup>15</sup>	0.2	0.2
Sunflower seeds	0.2	0.2
Sesame seeds		0.05
Safflower seeds	0.2	0.2
Cotton seeds	0.9	0.5
Rapeseeds	0.2	0.2
Other oil seeds <sup>16</sup>	0.2	0.2
Ginkgo nut	0.2	0.2
Chestnut		0.05
Pecan	0.2	0.2
Almond	0.2	0.2
Walnut	0.2	0.2
Other nuts <sup>17</sup>	0.2	0.2
Tea		0.1
Hop		40
Other spices <sup>18</sup>	5	0.5
Other herbs <sup>19</sup>		0.05
Cattle, muscle	0.09	0.05
Pig, muscle	0.09	0.05
Other terrestrial mammals <sup>20</sup> , muscle	0.2	0.1
Cattle, fat	0.05	0.1
Pig, fat	0.05	0.1
Other terrestrial mammals, fat	0.1	0.4
Cattle, liver	0.4	0.2
Pig, liver	0.4	0.2
Other terrestrial mammals, liver	0.4	0.2
Cattle, kidney	0.4	0.2
Pig, kidney	0.4	0.2
Other terrestrial mammals, kidney	0.4	0.2

## Amitraz (Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Cattle, edible offal	0.4	0.2
Pig, edible offal	0.4	0.2
Other terrestrial mammals, edible offal	0.4	0.2
Milk	0.02	0.01
Chicken, muscle		0.02
Other poultry <sup>21</sup> , muscle		0.02
Chicken, fat		0.01
Other poultry, fat		0.01
Chicken, liver		0.04
Other poultry, liver		0.04
Chicken, kidney		0.04
Other poultry, kidney		0.04
Chicken, edible offal		0.04
Other poultry, edible offal		0.04
Chicken, eggs		0.02
Other poultry, eggs		0.02
Honey	0.2	0.2
Cottonseed oil (except refined cottonseed oil and cottonseed salad oil that meet the Japanese Agricultural Standards (JAS) for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)	0.09	0.05

Attachment. 1-11

Isoprothiolane (Fungicide/ Drugs for Hepatic Diseases of cows)

Commodity	MRL (draft) ppm	Current MRL ppm
Rice (brown rice)	2	2
Water melon		0.1
Melons		0.1
Makuwauri melon		0.1
Unshu orange, pulp		0.1
Citrus natsudaaidai, whole		0.1
Lemon		0.1
Orange		0.1
Grapefruit		0.1
Lime		0.1
Other citrus fruits <sup>13</sup>		0.1
Apple	0.05	0.1
Japanese pear	0.05	0.1
Pear	0.05	0.1
Quince		0.1
Loquat	0.02	0.1
Peach	0.02	0.1
Nectarine		0.1
Apricot		0.1
Japanese plum		0.1
Mume plum	0.03	0.1
Cherry		0.1
Strawberry		0.1
Raspberry		0.1
Blackberry		0.1
Blueberry		0.1
Cranberry		0.1
Huckleberry		0.1
Other berries <sup>14</sup>		0.1
Grape	0.02	0.1
Japanese persimmon		0.1
Banana		0.1
Kiwifruit		0.1
Papaya		0.1
Avocado		0.1
Pineapple		0.1
Guava		0.1
Mango		0.1
Passion fruit		0.1
Date		0.1
Other fruits <sup>15</sup>		0.1
Sunflower seeds		0.1
Sesame seeds		0.1
Safflower seeds		0.1
Cotton seeds		0.1
Rapeseeds		0.1
Other oil seeds <sup>16</sup>		0.1
Ginkgo nut		0.1
Chestnut		0.1
Pecan		0.1
Almond		0.1
Walnut		0.1
Other nuts <sup>17</sup>		0.1

## Isoprothiolane (Continued)

Commodity	MRL (draft) ppm	Current MRL ppm
Other spices <sup>18</sup>		0.1
Cattle, muscle	0.02	0.02
Cattle, fat	0.02	0.02
Cattle, liver	0.02	0.02
Cattle, kidney	0.02	0.02
Cattle, edible offal	0.02	0.02
Milk	0.02	0.02
Aquatic animals	3	

## Note:

The uniform limit (0.01 ppm) will be applied to commodities for which draft MRLs are not given. Some limits in the column of "MRL (draft)" remain unchanged from the current MRLs.

1. "Other cereal grains" refers to all cereal grains, except rice (brown rice), wheat, barley, rye, corn (maize), and buckwheat.
2. "Beans (dry)" includes butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.
3. "Other legumes/pulses" refers to all legumes/pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry), and spices.
4. "Other potatoes" refers to all potatoes, except potato, taro, sweet potato, yam, and konjac.
5. "Other cruciferous vegetables" refers to all cruciferous vegetables, except Japanese radish roots and leaves (including radish), turnip roots and leaves, horseradish, watercress, Chinese cabbage, cabbage, brussels sprouts, kale, komatsuna (Japanese mustard spinach), kyona, qing-geng-cai, cauliflower, broccoli, and herbs.
6. "Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, shungiku, lettuce (including cos lettuce and leaf lettuce), and herbs.
7. "Other liliaceous vegetables" refers to all liliaceous vegetables, except onion, welsh (including leek), garlic, nira, asparagus, multiplying onion, and herbs.
8. "Other umbelliferous vegetables" refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, mitsuba, spices, and herbs.
9. "Other solanaceous vegetables" refers to all solanaceous vegetables, except tomato, pimiento (sweet pepper), and egg plant.
10. "Other cucurbitaceous vegetables" refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons, and makuwauri melon.
11. "Other mushrooms" refers to all mushrooms, except button mushroom, and shiitake mushroom.
12. "Other vegetables" refers to all vegetables, except potatoes, sugar beet, sugarcane, cruciferous vegetables, composite vegetables, liliaceous vegetables, umbelliferous vegetables, solanaceous vegetables, cucurbitaceous vegetables, spinach, bamboo shoots, okra, ginger, peas (with pods, immature), kidney beans (with pods, immature), green soybeans, mushrooms, spices, and herbs.
13. "Other citrus fruits" refers to all citrus fruits, except unshu orange (pulp), citrus natsudaikai (pulp), citrus natsudaikai (peel), citrus natsudaikai (whole), lemon, orange (including navel orange), grapefruit, lime, and spices.
14. "Other berries" refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry, and huckleberry.
15. "Other fruits" refers to all fruits, except citrus fruits, apple, Japanese pear, pear, quince, loquat, peach, nectarine, apricot, Japanese plum (including prune), mume plum, cherry,

berries, grape, Japanese persimmon, banana, kiwifruit, papaya, avocado, pineapple, guava, mango, passion fruit, date and spices.

16. "Other oil seeds" refers to all oil seeds, except sunflower seeds, sesame seeds, safflower seeds, cotton seeds, rapeseeds and spices.

17. "Other nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.

18. "Other spices" refers to all spices, except horseradish, wasabi (Japanese horseradish) rhizomes, garlic, peppers chili, paprika, ginger, lemon peels, orange peels (including navel orange), yuzu (Chinese citron) peels and sesame seeds.

19. "Other herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.

20. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.

21. "Other poultry" refers to all poultry, except chicken.